

# LEC-2290B/C/D

Edge AI Appliance With Intel® Core  
i7-8700, Myriad X VPU & OpenVINO



## ■ Features

- Intel® Core™ i7-8700
- Support Intel® Movidius™ Myriad™ X mPCIe Card
- 2x DDR4 2133/2400 SO-DIMM, Max. 32GB
- 2x RJ45 GbE LAN, 4x PoE, 4x USB3.0, 6x COM Ports, 8x DI & 8x DO
- 2x Removable HDD/SSD External Slot w/ RAID, 1x mSATA
- Built-in TPM 2.0 & IPMI Support

## ■ Specifications

### Processor System

CPU	Intel® Core™ i7-8700 (Codenamed Coffee Lake S)
Frequency	3.2GHz
Core Number	6
BIOS	AMI 256Mbit SPI Flash BIOS
Chipset	C246
Fanless	No

### Memory

Technology	DDR4 2133/2400 SO-DIMM
Max. Capacity	32 GB
Socket	2x 260-pin SO-DIMM

### Graphic

Controller	Intel® UHD Graphics 630
HDMI	2

### Audio

Codec	TSI 92HD73C HD
Interface	1x Mic-in, 1x Line-out

### Ethernet

Controller	6x Intel i210IT
Speed	10/100/1000 Mbps
Interface	RJ45

### Storage

Type	SATA III
Installation	2x Removable HDD/SSD External Slot w/ RAID

### I/O

Serial Port	6x D-sub 9, RS232/422/485
Digital I/O	1x Terminal Block Isolation, 8x DI (12V), 8x DO (Sink Mode, 12V@100mA)
USB 2.0	-
USB 3.0	4x Type A
Power-On/Reset Button	1x Power-On, 1x Reset Button
Remote Power Switch	1x 2-pin Remote Power Switch
LED	Power/Storage/LTE/Wifi

### Expansion Interface

Mini-PCIe	1x Mini-PCIe (PCIe + USB2.0) w/ Nano-SIM
PCIe	1x PCIe*16 & 1x PCIe*4
M.2	1x B Key M.2 (PCIe + USB3.0) w/ Nano-SIM

### Watchdog Timer

Watchdog Timer 1~255 Level Time Interval System Reset,  
Software Programmable

### Power

Power Type	ATX
Power Supply Voltage	9~30 V <sub>dc</sub>
Connector	1x 4-pin Terminal Block
Power Consumption (Idle)	29.5W@ +12V <sub>dc</sub> -in (see *2)
Power Consumption (Full Load)	121.6W@ +12V <sub>dc</sub> -in (see *2)

### Environment

Operating Temperature	0°C~40°C
Storage Temperature	-40°C~70°C
Relative Humidity	10%~90% (Non-condensing)
Vibration	IEC 60068-2-64, 0.5Grms, random 5 ~500 Hz, 40 mins/axis

### Mechanical

Dimension (W x H x D)	275 x 115 x 225 mm
Construction	Aluminum Extrusion & SGCC
Weight	6.2 KG
Mounting	Wallmount

### Driver Support

Microsoft Windows	Windows 10 IoT 64bits Series Ubuntu 18.10 64bit or Above CentOS 7 or Above Fedora 30 64bit or Above
Linux	Kernel 3.12

### Certification

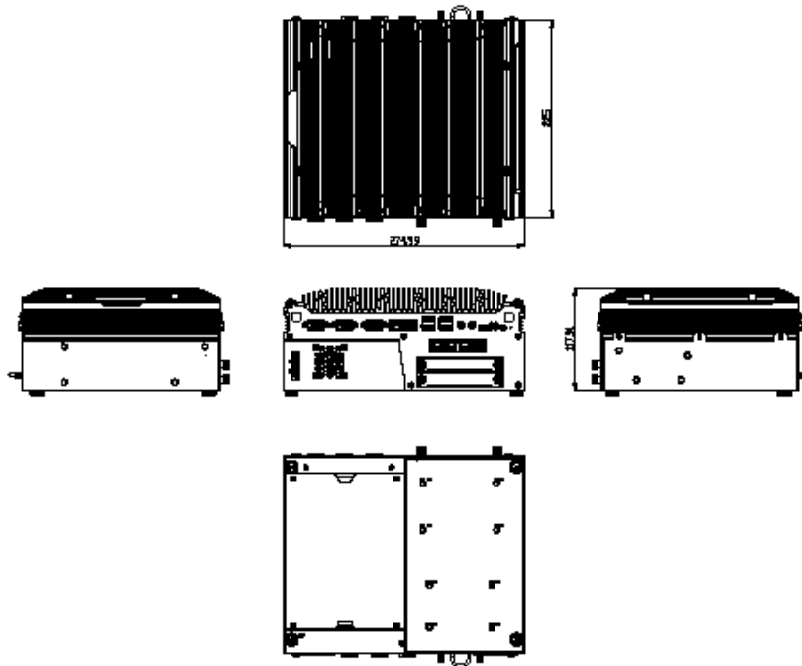
EMC	CE/FCC, Class A (To be acquired by early March, 2022)
Safety	CB 62368 & 60950/UL 62368 (To be acquired by early March, 2022)

## ■ Product I/O View



- |                          |                          |                       |                          |
|--------------------------|--------------------------|-----------------------|--------------------------|
| <b>A</b> COM x3          | <b>F</b> DC Input        | <b>K</b> DIO          | <b>P</b> PGN Module Slot |
| <b>B</b> LAN x2          | <b>G</b> PoE x4          | <b>L</b> Display Port | <b>Q</b> PCIe Slot       |
| <b>C</b> USB 3.0 x4      | <b>H</b> HDD/SSD Bays x2 | <b>M</b> HDMI x2      |                          |
| <b>D</b> LINE-out/MIC-in | <b>I</b> Status LED      | <b>N</b> COM x3       |                          |
| <b>E</b> Remote Power    | <b>J</b> On/Off Switch   | <b>O</b> DC Input     |                          |

## ■ Dimensions (W x H x D) 275 x 115 x 225 mm (10.8" x 4.5" x 8.9")



## ■ Ordering Information

LEC-2290E

Intelligent Edge Computing IPC With Intel® Core™ i7-8700, 32GB System Memory, mSATA 128GB & 2.5" 256GB SSD Storage, 240W AC/DC Adapter, Nvidia Tesla T4 GPU & Thermal Kit

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# Lanner

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